

ANT/QUI/01

0039

ANT/QUI/01

Surveyor 1967

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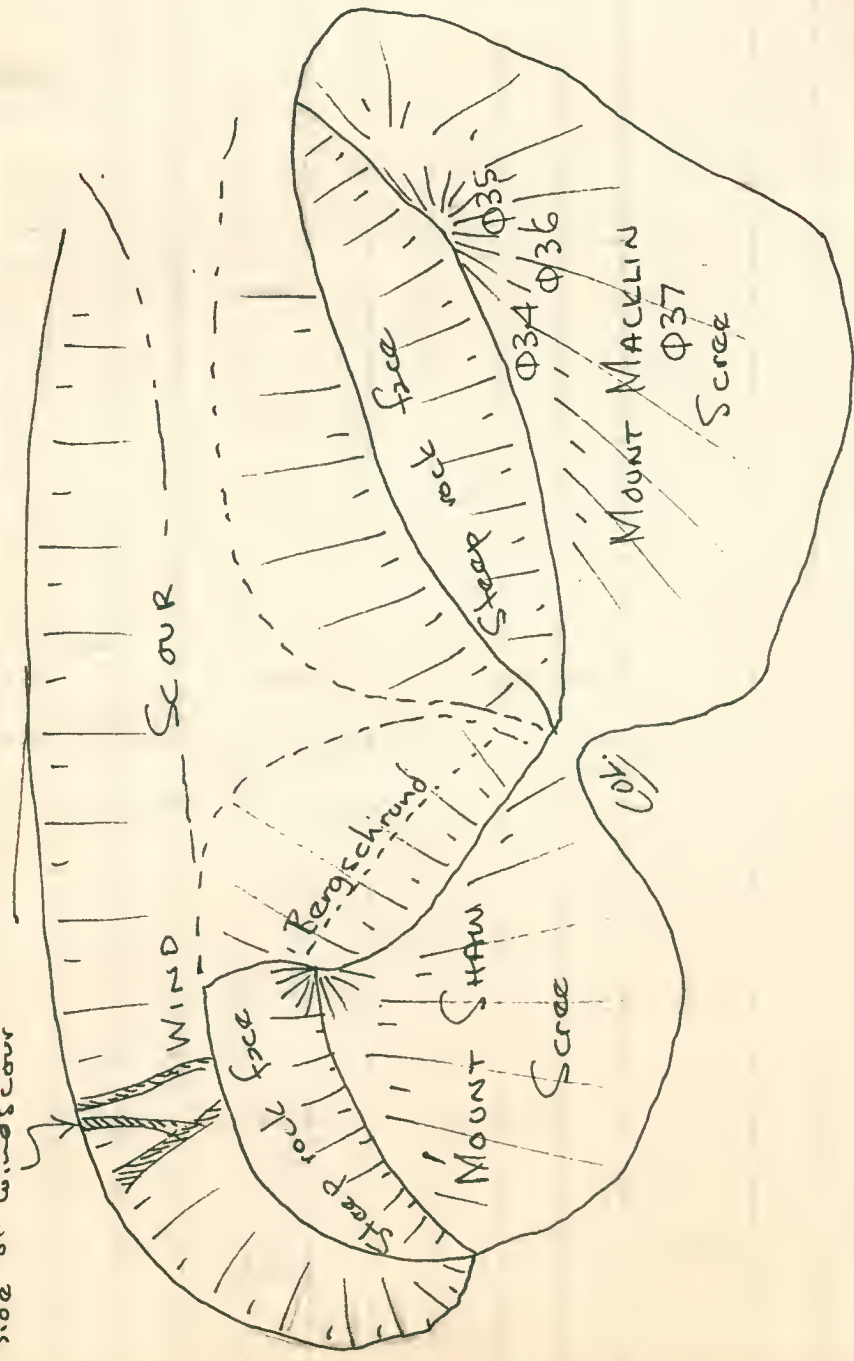
Don McLeod

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Sorry for delay. awaiting plates

Ed. C. Phillips
13-6-67

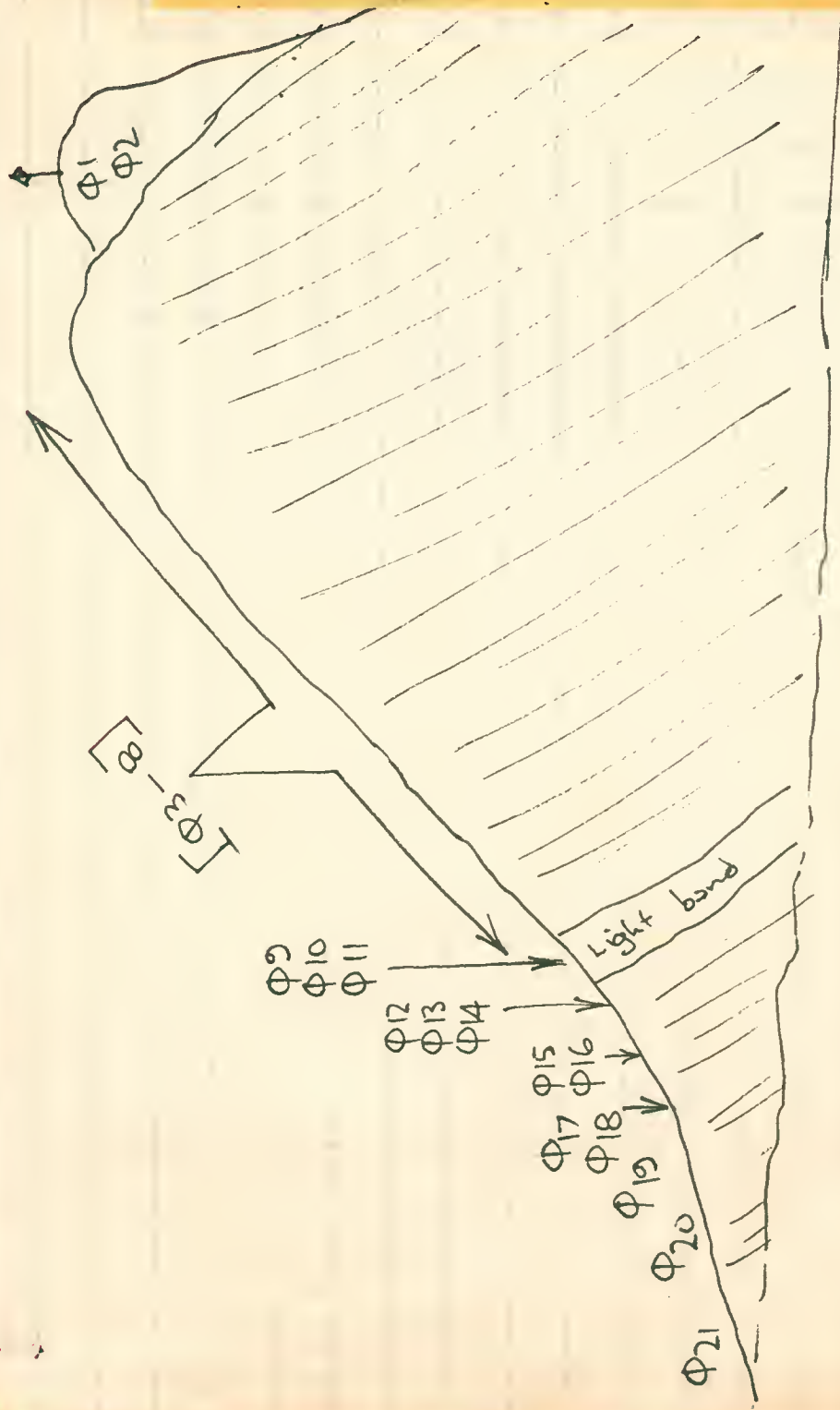
Crosses down
side of windscour



See Page 10 For Photo

Mt. MACKLIN - Mt. SHAW Outcrop

The southern slopes of these peaks are completely scree covered but the NNE faces show extensive and erratic intrusions of a light coloured rock often containing garnet. This type ~~rock~~ is as in samples $\Phi 34$, $\Phi 35$ ~~and $\Phi 36$~~ The main rock is as sample $\Phi 36$ also often containing garnet. Halfway down the southern ridge from the peak is an outcrop of type $\Phi 37$



VIEW FROM NORTH-WEST

MOUNT WISHART - NORTHWESTERN EXPOSURE

The most notable feature about this outcrop is the complete lack of garnetiferous rocks excepting that in $\Phi 1$ belonging to an intruded band of light coloured rock $\Phi 1$, $\Phi 2$, which forms the highest isolated peak.

The main portion of the exposure east to the next large intrusion is as samples $\Phi 3$ to $\Phi 8$ being mainly as in sample $\Phi 3$, which showed little or no jointing in the plane of foliation, to as in samples $\Phi 7$ and $\Phi 8$ being closely jointed into 1" to 2" thick plates, with an occasional intrusion 2" to 3" thick as in $\Phi 4$ and variants $\Phi 5$, $\Phi 6$.

The light band of intruded rock, $\Phi 9$, contains what appear to be numerous xenoliths ranging in size from 1" diameter to 2 and 3 feet diameter, as in samples $\Phi 10$ and $\Phi 11$. The darker rock often closely resembling the adjacent rocks to the intrusion as in sample $\Phi 7$ but possibly slightly altered due to more vigorous metamorphism.

~~Sample $\Phi 11$~~ Some of these xenoliths contain older intrusions of quartz 1" to 2" thick as in photo opposite, sample $\Phi 11$ containing portions of all three.

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Mount Wister

 $\Phi 9$ $\Phi 10$ $\Phi 11$ $\Phi 7$ Boothsville
Base 12Similar intrusion in
Moore Pyramid (See P 8)

intrusion as in sample $\Phi 7$ but possibly slightly
altered due to more vigorous metamorphism.
~~Sample $\Phi 11$~~ Some of these xenoliths contain
older intrusions of quartz 1" to 2" thick as in
photo opposite, sample $\Phi 11$ containing portions
of all three.

W



View From North-West

ϕ_{21} ϕ_{20} ϕ_{19} ϕ_{18} ϕ_{17}
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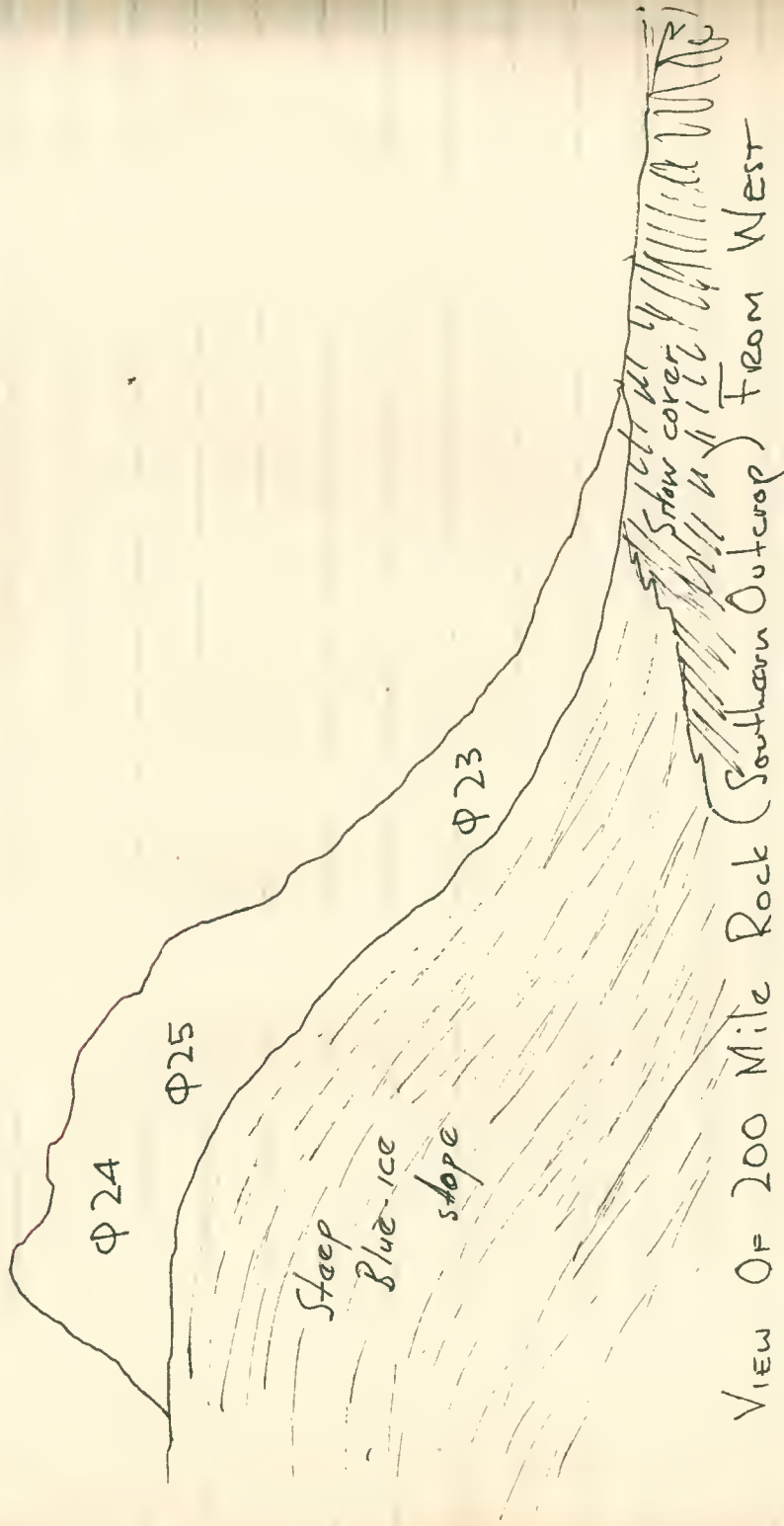
Further east of this intrusion are a number of wide bands of different types. The first is a grayish type as in samples $\Phi 12$, $\Phi 13$ and $\Phi 14$, and further east samples $\Phi 15$ and $\Phi 16$. Compare portion of sample $\Phi 15$ with sample $\Phi 22$ from Mount Lacey.

Next type is as samples $\Phi 17$ and $\Phi 18$ with another light intruded band with similar characteristics to $\Phi 9-11$.

From here eastwards the surface is mostly scree-covered but $\Phi 19$ and $\Phi 20$ form main types with isolated samples as $\Phi 21$.

The northern face of the exposure from $\Phi 3-\Phi 8$ is weathered into typical block jointed forms, forming long blocked ridges and gullies running from the ridge down to the wind scour.

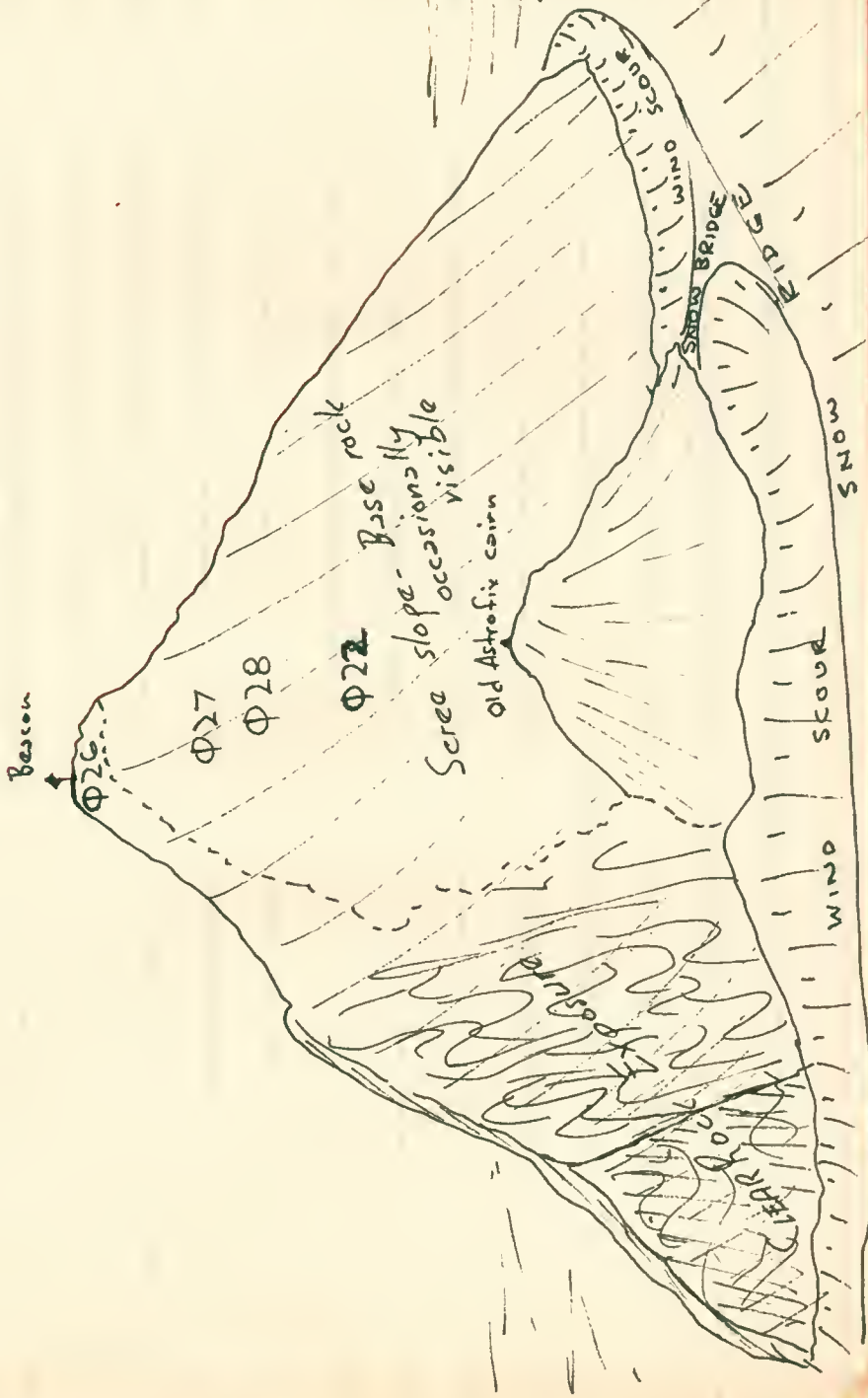
The light-coloured intrusions found in this exposure seem to be common to this area being clearly seen in Moore Pyramid, Dawson Nunatak and surrounding outcrops ~~and~~ ~~is~~ ~~that~~ to the east of Moore Pyramid.



200 Mile Rocks.

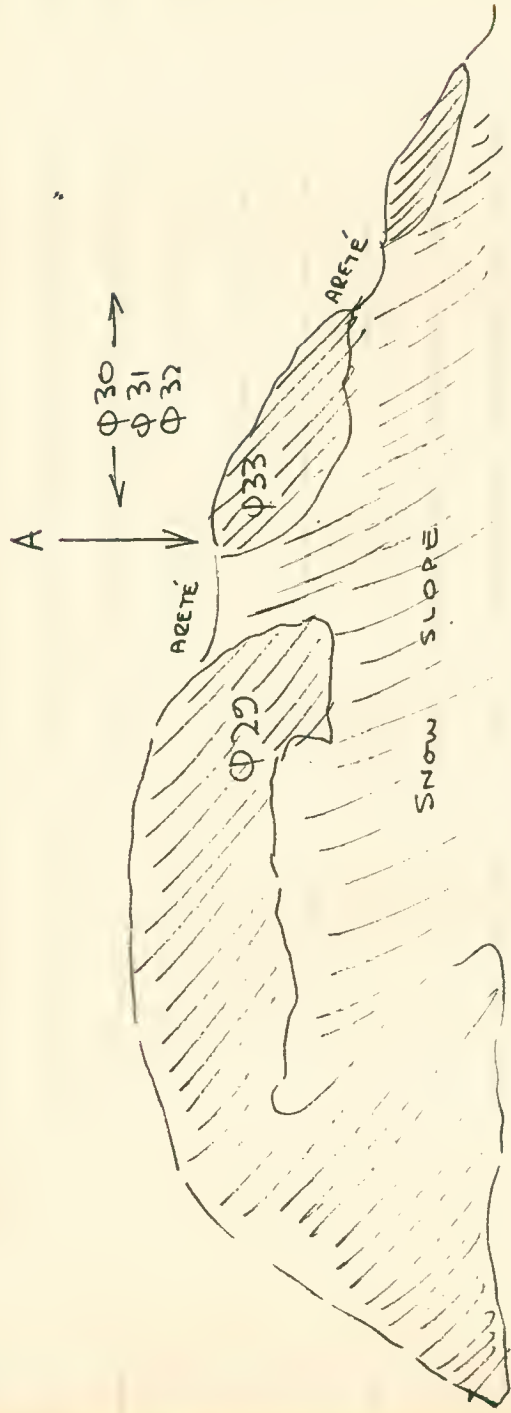
Main rock type varies between samples $\Phi 23$ and $\Phi 24$ which contain numerous veins of smooth black rock as in $\Phi 24$ usually from $\frac{1}{2}$ " to 2" thick. There are also a number of bands of type $\Phi 25$ from 2 to 4 feet thick containing twisted intrusions of lighter coloured rock as in sample. This sample exhibits similar characteristics to $\Phi 10^{17}$? from Mount Wishart.

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MOUNT LACEY

(LEAH ROCK) SEE PAGE 11 FOR POSITION

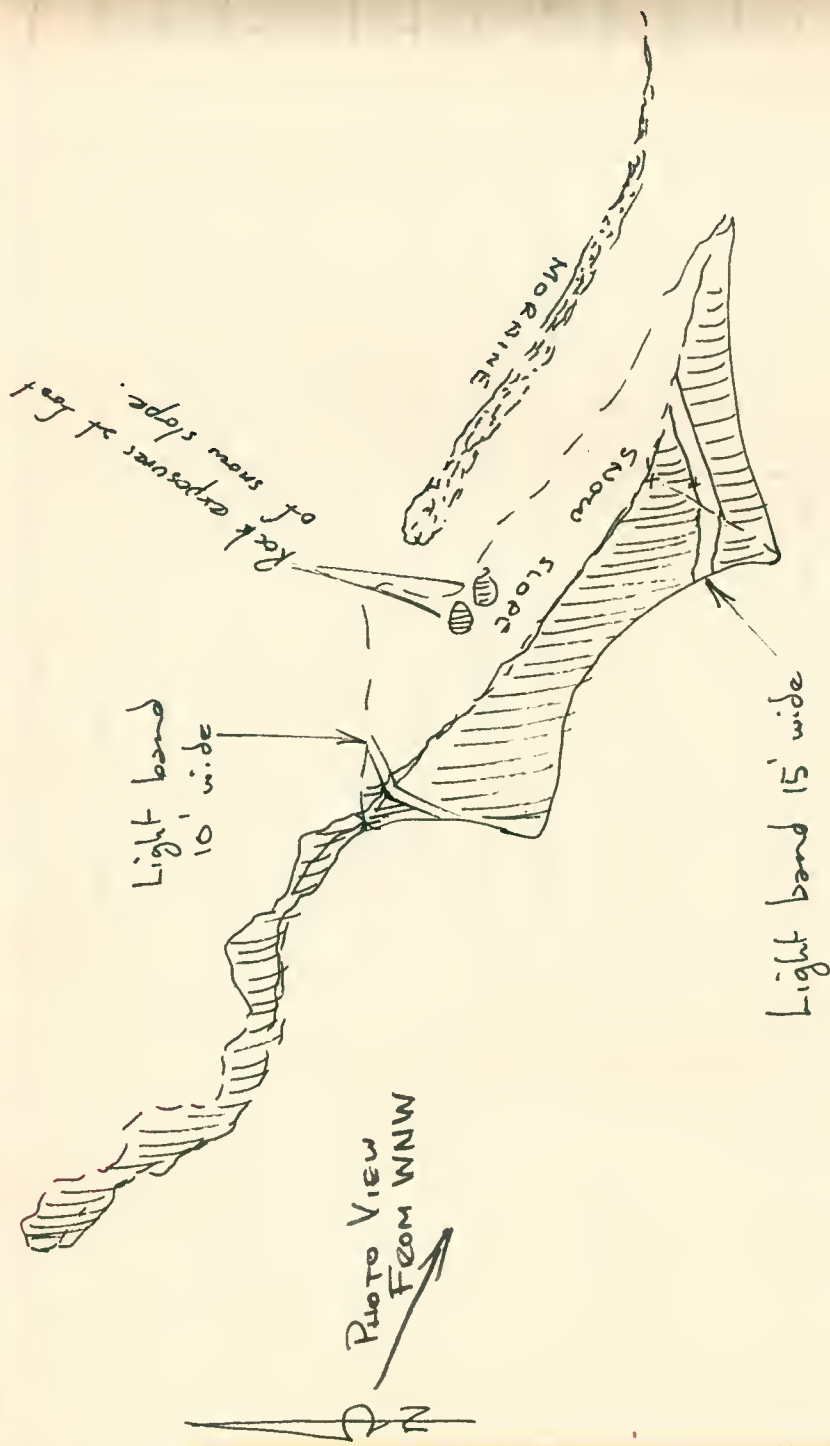


View From West

NUNATAK NORTH OF DAWSON NUNATAK

The main rock type is as sample $\Phi 29$ extending over the whole area. In the central outcrop are innumerable sills of rock type $\Phi 30$ usually 1" to 2" thick and being concordant with the foliation where evident i.e. dip 30° in direction about 170° . This type often contains small crystallizations of blue and black as in samples $\Phi 31$ and $\Phi 32$. The base rock sometimes varies as in $\Phi 33$.

At point A is a small intrusion of cream coloured rock similar to $\Phi 9$ on Mount Wishart which is also similar to a large intrusion at north end of Moore Pyramid about 10 feet thick. Unfortunately no samples obtained of either.



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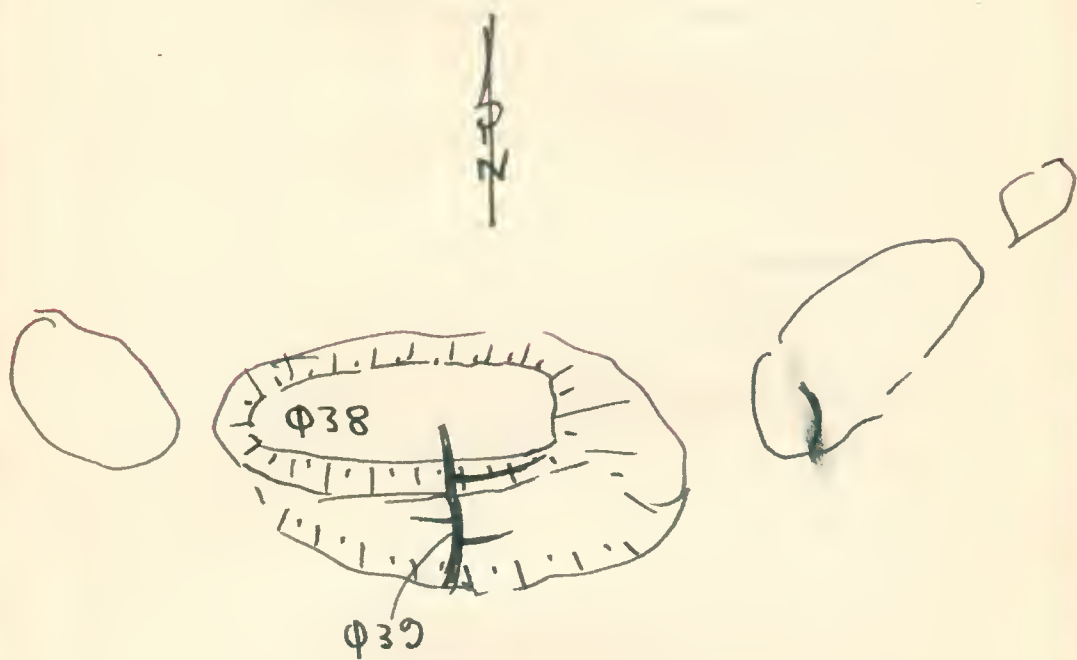
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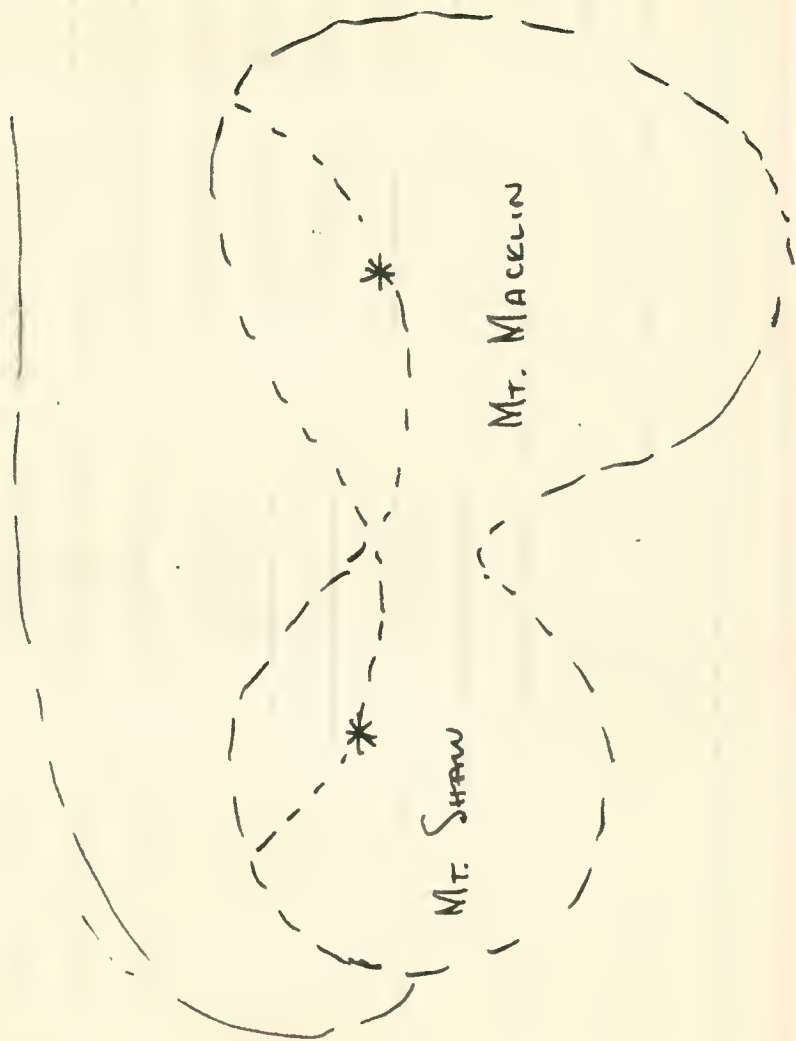
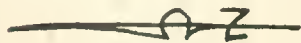
Mc Noir Nunatak

Sample $\Phi 38$ Main rock type

Sample $\Phi 39$ Intruded veins & sills



* Photo From
HERE





1:100,000 Sheet SR 40-41/12 Crown Mills

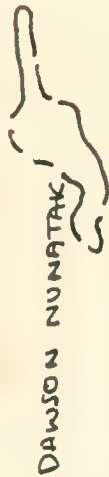
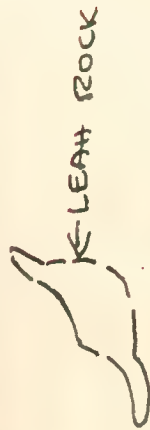


Photo
PAGE 12B *



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Photo PAGE
12A



DAWSON NUNATAK FROM LEATH ROCK
MT KICKER IN BACKGROUND



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12



